

Substitute for form 1449/PTO

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Application Number	10/578,894
§ 371 (c) Date	May 15, 2007
First Named Inventor	Donna BUSHELL-WILLIAMS
Art Unit	1652
Examiner Name	Fronza, Christian L.
Attorney Docket Number	2818.2900001/BJD/DAS/KMH

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	US1	2,730,456	01/10/1956	Green <i>et al.</i>	
	US2	2,730,457	01/10/1956	Green <i>et al.</i>	
	US3	2,800,457	07/23/1957	Green <i>et al.</i>	
	US4	2,800,458	07/23/1957	Green	
	US5	4,001,140	01/04/1977	Foris <i>et al.</i>	
	US6	4,081,376	03/28/1978	Strub	
	US7	4,089,802	05/16/1978	Foris <i>et al.</i>	
	US8	4,100,103	07/11/1978	Foris <i>et al.</i>	
	US9	4,105,823	08/08/1978	Hasler <i>et al.</i>	
	US10	4,197,346	04/08/1980	Stevens	
	US11	4,444,699	04/24/1984	Hayford	
	US12	4,552,811	11/12/1985	Brown <i>et al.</i>	
	US13	6,080,418	06/27/2000	Sengupta <i>et al.</i>	
	US14	6,248,703 B1	06/19/2001	Finucane <i>et al.</i>	
	US15	6,579,842 B2	06/17/2003	Howell <i>et al.</i>	
	US16	6,586,384 B2	07/01/2003	Hemmington <i>et al.</i>	
	US17	6,642,196 B2	11/04/2003	Howell <i>et al.</i>	
	US18	6,719,931 B2	04/13/2004	Hoffman <i>et al.</i>	
	US19	7,153,819 B2	12/26/2006	Chapple <i>et al.</i>	
	US20	2003/0078043 A1	04/24/2003	Horwath <i>et al.</i>	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	FP1	GB 2 062 570 A	05/28/1981	Fuji Photo Film Co., Ltd.		
	FP2	EP 0 070 074 A2	01/19/1983	The Procter & Gamble Company		
	FP3	EP 0 194 276 B1	09/17/1986	Celltech Limited		
	FP4	EP 0 258 068 A2	03/02/1988	Novo Industri A/S		
	FP5	EP 0 328 177 A2	08/16/1989	Unilever NV		
	FP6	EP 0 346 995 A2	12/20/1989	Unilever NV		
	FP7	EP 0 379 312 A1	07/25/1990	The British Petroleum Company p.l.c.		
	FP8	WO 94/04678 A1	03/03/1994	Casterman <i>et al.</i>		
	FP9	WO 94/25591 A1	11/10/1994	Unilever PLC		
	FP10	WO 94/29457 A2	12/22/1994	Unilever N.V.		
	FP11	WO 97/03160 A1	01/30/1997	The Procter & Gamble Company		

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Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Use as many sheets as necessary)

Sheet	3	of	3
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Application Number	10/578,894
§ 371 (c) Date	May 15, 2007
First Named Inventor	Donna BUSHELL-WILLIAMS
Art Unit	1652
Examiner Name	Fronza, Christian L.
Attorney Docket Number	2818.2900001/BJD/DAS/KMH

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	CHEN, S., <i>et al.</i> , "Design and Synthesis of a CD4 β -turn Mimetic that Inhibits Human Immunodeficiency Virus Envelope Glycoprotein gp120 Binding and Infection of Human Lymphocytes," <i>Proc. Natl. Acad. Sci. USA</i> 89:5872-5876, National Academy of Sciences (1992)	
	NPL2	DAVIES, J., and RIECHMANN, L., "Antibody VH Domains as Small Recognition Units," <i>Bio/Technology</i> 13:475-479, Nature Publishing Group (1995)	
	NPL3	ELLINGTON, A.D., and SZOSTAK, J.W., " <i>In vitro</i> Selection of RNA Molecules that Bind Specific Ligands," <i>Nature</i> 346:818-822, Nature Publishing Group (1990)	
	NPL4	FABER, K.N., <i>et al.</i> , "Foreign Gene Expression in <i>Hansenula polymorpha</i> . A System for the Synthesis of Small Functional Peptides," <i>Appl. Microbiol. Biotechnol.</i> 45:72-79, Springer-Verlag (1996)	
	NPL5	FODOR, S.P.A., <i>et al.</i> , "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <i>Science</i> 251:767-773, American Association for the Advancement of Science (1991)	
	NPL6	GANI, M., <i>et al.</i> , "Monoclonal Antibodies Against Progesterone: Effect of Steroid-carrier Coupling Position on Antibody Specificity," <i>J. Steroid Biochem. Molec. Biol.</i> 48:277-282, Elsevier Science Ltd. (1994)	
	NPL7	HENRISSAT, B., and DAVIES, G.J., "Glycoside Hydrolases and Glycosyltransferases. Families, Modules, and Implications for Genomics," <i>Plant Physiology</i> 124:1515-1519, American Society of Plant Physiologists (2000)	
	NPL8	HOLLIGER, P., <i>et al.</i> , "Diabodies: Small Bivalent and Bispecific Antibody Fragments," <i>Proc. Natl. Acad. Sci. USA</i> 90:6444-6448, National Academy of Sciences (1993)	
	NPL9	HOUGHTEN, R.A., <i>et al.</i> , "Generation and Use of Synthetic Peptide Combinatorial Libraries for Basic Research and Drug Discovery," <i>Nature</i> 354:84-86, Nature Publishing Group (1991)	
	NPL10	HOUGHTEN, R.A., "Peptide Libraries: Criteria and Trends," <i>Trends in Genetics</i> 9:235-239, Elsevier Science Publishers Ltd. (1993)	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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	NPL11	LAM, K.S., <i>et al.</i> , "A New Type of Synthetic Peptide Library for Identifying Ligand-Binding Activity," <i>Nature</i> 354:82-84, Nature Publishing Group (1991)		
	NPL12	LOWE, G., "Combinatorial Chemistry," <i>Chem. Soc. Rev.</i> 24:309-317, RSC Publishing (1995)		
	NPL13	MCGOWN, L.B., <i>et al.</i> , "The Nucleic Acid Ligand: A New Tool for Molecular Recognition," <i>Anal. Chem.</i> 67:663A-668A, American Chemical Society (1995)		
	NPL14	MERRIFIELD, R.B., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide," <i>J. Am. Chem. Soc.</i> 85:2149-2154, ACS Publications (1963)		
	NPL15	RIECHMANN, L. "Rearrangement of the Former VL Interface in the Solution Structure of a Camelised, Single Antibody VH Domain," <i>J. Mol. Biol.</i> 259:957-969, Academic Press Limited (1996)		
	NPL16	SARAGOVI, H.U., <i>et al.</i> , "Loops and Secondary Structure Mimetics: Development and Applications in Basic Science and Rational Drug Design," <i>Bio/Technology</i> 10:773-778, Nature Publishing Group (1992)		
	NPL17	SCOTT, J.K., and SMITH, G.P., "Searching for Peptide Ligands with an Epitope Library," <i>Science</i> 249:386-390, American Association for the Advancement of Science (1990)		
	NPL18	SPINELLI, S., <i>et al.</i> , "Lateral Recognition of a Dye Hapten by a Llama VHH Domain," <i>J. Mol. Biol.</i> 311:123-129, Academic Press (2001)		
	NPL19	THOMPSON, L.A., and ELLMAN, J.A., "Synthesis and Applications of Small Molecule Libraries," <i>Chem. Rev.</i> 96:555-600, American Chemical Society (1996)		
	NPL20	TOMME, P., <i>et al.</i> , "Cellulose-Binding Domains: Classification and Properties," <i>Enzymatic Degradation of Insoluble Carbohydrates</i> , ACS Symposium Series, pp. 142-163, No. 618, American Chemical Society (1995)		

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	NPL21	WEBER, L., <i>et al.</i> , "Optimization of the Biological Activity of Combinatorial Compound Libraries by a Genetic Algorithm," <i>Angew. Chem. Int. Ed. Engl.</i> 34:2280-2282, VCH Verlagsgesellschaft mbH (1995)	
	NPL22	XIANG, J., <i>et al.</i> , "Complementarity Determining Region Residues Aspartic Acid at H55, Serine at H95 and Tyrosines at H97 and L96 Play Important Roles in the B72.3 Antibody-TAG72 Antigen Interaction," <i>Protein Engineering</i> 9:539-543, Oxford University Press (1996)	
	NPL23	English Abstract for Japanese Appl. No. 10-139817, published May 26, 1998, 1 page (listed as document FP13 on the accompanying form PTO/SB/08A) (data supplied from the <i>esp@cenet</i> database).	
	NPL24	International Search Report for International Application No. PCT/EP2004/012748, European Patent Office, Rijswijk, Netherlands, mailed on June 23, 2005	

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